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ANNUAL REPORT

on the HEALTH of the

BOROUGH OF GRANTHAM

BY THE

MEDICAL OFFICER OF HEALTH

C.H.D. ROBBS, M.B.

to which is appended the

REPORT OF THE

SANITARY INSPECTOR

FOR THE YEAR

1940

A N N U A L R E P O R T

on the HEALTH of the

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BY THE

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B O R O U G H O F G R A N T H A M.

H E A L T H COMMITTEE.

Alderman W. E. Sharpe, J.P. Chairman.
Alderman R. Lee, J.P. Vice Chairman.
Alderman R. Brittain, J.P.
Alderman H. Beeden, M.B.E., J.P.

Councillor Mrs. L. Basford
" A. Barnett
" F.P. Digby, J.P.
" J. Hawkins
" B.H. Sindall

M A T E R N I T Y AND CHILD WELFARE COMMITTEE.

Alderman W. E. Sharpe, J.P. Chairman.
Alderman R. Lee, J.P.

Councillor Mrs. S.A. Barnes
" Mrs. L.Basford
" A. Barnett
" B.H. Sindall
Mrs. B. C. Thompson

H O U S I N G AND TOWN PLANNING COMMITTEE.

Alderman H. Beeden, M.B.E., J.P. Chairman.

Councillor H. Hopkin, Vice Chairman

Councillor Mrs. S.A. Barnes
" Mrs. L. Basford
" A. Barnett
" W. P. Bradley
" F. J. Cheshire
" G. E. Mills
" M. E. Osborn, J.P.

B O R O U G H O F G R A N T H A M.

STATISTICAL SUMMARY.

FOR 1940.

Area of Borough	3,868
Rateable Value	£130,240
Sum represented by penny rate	£507
Birth Rate per 1,000 population	17.2
Average for England and Wales	14.6
Crude Death Rate per 1,000 population	14.5
Adjusted Death Rate per 1,000 population	13.8
Average for England and Wales	14.3
Infantile Mortality per 1,000 births	52.6
Average for England and Wales	55

Water Supply - The Grantham Waterworks Company
Sewage Disposal-Broad Irrigation on Council's Farm, Marston
Refuse Collection - By Council's Workmen and S.D. Freighters
Refuse Disposal - By Heenan and Froude Refuse Destructor
Disposal of excreta - By Water Carriage System
Isolation Hospital, Gorse Lane - A Corrugated Iron Building
Maternity and Child Welfare Clinic - 40, Westgate
Swimming Baths (Open-air) - Dysart Park and Wyndham Park.

PUBLIC HEALTH OFFICERS.

Medical Officer of Health:
C.H.D. Robbs, M.B.

Chief Sanitary Inspector, Housing Officer, etc.
S. Francis Nott, C.R.S.I., F.S.I.A.

Clerk/Assistant: F. J. Nott
Health Visitor: Miss S. Ford.

B O R O U G H O F G R A N T H A M.

A N N U A L R E P O R T

O F T H E

MEDICAL OFFICER OF HEALTH OF THE GRANTHAM URBAN SANITARY AUTHORITY FOR THE YEAR 1940

Vine House,
Grantham.

October, 1941.

To The Mayor, Alderman and Councillors
of the Borough of Granthan

Mesdames and Gentlemen,

I have the honour to present my report on the Health and Sanitary Administration of the Borough for the year 1940.

STATISTICS AND SOCIAL CONDITIONS.

The statistical summary shows at a glance the figures for the year.

The Birth rate is higher than in 1939.

The other figures call for no special comment.

The annual report of the Health Visitor, Miss S. Ford is given in full and is as follows:-

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40, Westgate,

GRANTHAM.

21st January, 1941.

ANNUAL REPORT.

To The Mayor, Aldermen and Burgesses
of the Borough of Grantham.

Ladies and Gentlemen,

Maternity and Infant Welfare.

I beg to submit my Annual Report for the year ended 31st December 1940.

Notification of Births.	1940	1939
Total	424	400
Illegitimate	21	20
(9 of the latter cases were born in Grantham Hospital and 7 in Kesteven County Institution)		
Stillbirths	13	30
Cases attended by a Doctor and Midwife	134	109
Cases attended by Midwives	104	130
Cases born in Grantham Hospital	174	155
Cases born in Kesteven County Institution	12	6
Total	424	400

VISITING.

Primary Visits to Infants	306	279
Revisits under 1 year	944	1027
Revisits 1 year to 5 years	1920	1942
Total	3170	3248
Stillbirths	7	15
Deaths	10	3
Visits to Expectant Mothers	33	58
Households visited	3048	3010
Special Visits	12	32

	1940	1939
Useless Visits	257	203
Sanitary Defects	1	4
Interviews	14	17
Children transferred to other areas (70 of these children born in Grantham Hospital and 7 in Kesteven County Institution)	192	169
Children transferred to Grantham	146	117

CHILDREN ACT 1908 and CHILDREN AND YOUNG PERSONS ACT 1932.

Revisits	21
Visits to prospective foster-mothers	1
Useless Visits	2

Nine children have been boarded out during the year. Of these, three have been returned to relatives.

One new foster-mother has been approved and registered.

INFANT CLINICS.

	1940	1939
Total attendances at Welfare Centre	8072	7646
Individual mothers attending Welfare Centre	739	590
Total names on Clinic Register	887	724

ULTRA VIOLET RAY TREATMENT

Sessions held	85	87
Cases treated	45	70
Treatments given	365	705

ANTE-NATAL CLINIC

Clinics held	25	25
Total attendances	327	453
Cases Examined	198	205

Orthopaedic Treatment

Twelve children have received Orthopaedic Treatment during the year. Of these, one was admitted to Grantham Hospital for surgical treatment, eight sufficiently improved to discontinue treatment.

The remaining three are progressing satisfactorily.

Optical Treatment.

Thirteen children have been examined by Dr. A.C. Reid, Eye Specialist, at Beaconfield.

In nine of these cases glasses were advised, and three of the children were brought up for further examination at later dates.

Three children already wearing glasses were re-examined, an operation was advised in one of these cases.
No glasses were advised in the remaining case.

Dental Treatment.

Thirty two children were recommended for examination by Mr. H. Miller.
Of these, twenty-three were treated. In four cases treatment was not advised, and in the five remaining cases the patients did not keep the appointment.
Three mothers also recommended for examination received Dental Treatment.

SALE OF FOODS.

Foods	Sold at full cost	Cash received from Sales		
Dried Milk	4390 lbs	£372.	14.	6.
Virol	374 lbs	£ 30.	4.	7.
Virol distributed free under Doctors orders				5 lbs
At a cost of			8.	4.
Cod Liver Oil and Cod Liver Oil and Malt distributed free under Doctors orders				15 lbs
At a cost of			12.	4.
Children supplied with free Virol. Cod Liver Oil and Cod Liver Oil and Malt			15	

457 pints of fresh milk were distributed free to 5 Expectant Mothers, 3 lying-in and Nursing Mothers and 3 sick children at a cost of £6. 9. 1.

Nineteen mothers and children who had made good attendances at the Clinic during 1939 were presented with Certificates, which were much appreciated.

A series of Demonstrations on War time Cookery were held in the Welfare Centre Kitchen on Wednesday afternoons in October and November, conducted by Mrs. M. Simmonds, Girls' Central School Domestic Science Mistress, who kindly gave her services.

The Lectures were much appreciated by the Mothers.

I am,

Ladies and Gentlemen

Your obedient Servant,

(Signed) S. FORD

Health Visitor.

INFECTIOUS DISEASES.

The list of notifications during the year is as follows:-

Scarlet Fever	17
Diphtheria	3
Pneumonia	18
Puerperal Fever	3
Erysipelas	8
Enteric Fever	1
Cerebro Spinal Fever	6
Meningitis (Unspecified)	2
Ophthalmia Neonatorum	1
Measles	35
Whooping Cough	1
Poliomyelitis	1
Pulmonary Tuberculosis	15
Non-pulmonary Tuberculosis	12
Total:	123

Scarlet fever was less prevalent than in 1939.

Three cases only of diphtheria were notified. Two of these cases were of a very grave character and proved fatal. Immunisation of the younger generation against this disease has been established over the country in general, but did not come into force until the year 1941. It is believed, with good reason, that the outcome of this treatment, will cause a great diminution in the incidence of this very severe complaint.

Six cases of cerebro-spinal fever were notified. This is not a large number, because under war conditions, cases of this disease are liable to occur all over the country. These cases all received hospital treatment at the Grantham Hospital and all made good recovery. Modern research has added new methods of dealing with this condition with such outstanding success that the mortality has been very greatly diminished, and perfect recovery is now the rule.

There were three cases of puerperal pyrexia. These received hospital treatment and all recovered. There were two deaths from difficulties connected with childbirth.

TUBERCULOSIS.

In 1939 the incidence of tuberculosis was extraordinarily small, only four cases of pulmonary and three of non-pulmonary disease being notified. This was very exceptional and such a result could hardly be hoped for again, and there were in 1940, fifteen cases of pulmonary tuberculosis and twelve of non-pulmonary tuberculosis notified.

This is slightly above the average for the Borough since notification of tuberculosis came into force.

There were seven deaths from pulmonary tuberculosis during the year.

The statistics for tuberculosis will be found tabulated under age grouping at the end of this report.

WATER SUPPLY.

During the year nineteen samples of the public water supply were submitted to the Public Analyst for bacteriological examination.

Early in February, bacillus coli (presumptive) was reported to be present in 50 mls. of water and turbidity indicated that the mains required thorough flushing. The latter process was carried out, but a sample taken later in the month showed faecal bacillus coli and bacillus coli aerogenes present in 10 mls. and 1 ml. respectively.

The Public Analyst (Mr. W.W. Taylor, B.Sc.,F.I.C., of Nottingham) was called in for consultation and advice , as a result of which the dosage of chlorine was increased. The bacterial quality then improved substantially and in the first week of March the Analyst recommended a reduction of chlorine to not below 0.30 parts per million. From that time and through the year the water continued to be of satisfactory bacterial quality for public supply.

The Conduit Supply which was found to be unsatisfactory in February owing to pollution at the source, was cut off, but later in the year was reinstated when further examinations showed a distinct improvement. This improvement was not maintained however, and the supply was discontinued.

One sample of water obtained from a private well was reported by the Analyst to be of satisfactory quality for drinking purposes, whilst that from another well was pronounced to be doubtful following heavy rainfall.

SLAUGHTER OF ANIMALS ACT, 1933.

One Licence was granted to a Slaughterman.

SLAUGHTERHOUSES LICENCES.

Nil.

NOTICE OF CHANGE OF OCCUPANCY OF SLAUGHTERHOUSE.

Nil.

MILK SUPPLY.

One 'Pasteurising' Licence was renewed, and also one 'supplementary' licence to sell 'Accredited' Milk.

Particulars of samples of Pasteurised & Accredited Milk taken during the year are shown in tabulated form.

ADULTERATION OF FOOD.

Details of samples and action taken under the Food and Drugs Act, 1938, are shown on page 13.

Your obedient Servant,
(Signed) C.H.D. Robbs, Medical Officer of Health.

NOTIFIABLE DISEASES.

DISEASES	0 to 5	5 to 15	15 to 45	45 to 65	Over 65	Total	Admitted to Hospital
Scarlet Fever	10	6	1	-	-	17	5
Diphtheria	2	-	1	-	-	3	2
Pneumonia	4	-	7	7	-	18	-
Puerperal Pyrexia	-	-	3	-	-	3	3
Cerebro-spinal fever	1	-	4	1	-	6	6
Erysipelas	-	1	3	3	1	8	-
Ophthalmia Neonatorum	1	-	-	-	-	1	1
						56	

The age incidence of measles cases and a few other notifiable diseases is not recorded.

TUBERCULOSIS.

New Cases and Mortality during 1940.

Age Periods	New Cases				Deaths			
	Pulmonary		Non-Pulmonary		Pulmonary		Non-Pulmonary	
	M.	F.	M.	F.	M.	F.	M.	F.
0 ...	...	...	...	...	...	...	...	...
1 ...	...	...	1	...	...	...	...	...
5 ...	...	...	2	4	...	...	...	...
10 ...	...	1	...	...	...	...	...	...
15 ...	1	...	1	...	1	...	...	...
20 ...	1	2	1	1	1	1	...	...
25 ...	3	2	...	1	...	1	...	...
35 ...	2	1	1	...	1	1	...	...
45 ...	1	...	...	...	...	...	...	...
55 ...	1	...	...	...	1	...	...	...
65 and upwards	...	...	...	...	...	...	...	...
Totals	9	6	6	6	4	3	-	-

B O R O U G H O F G R A N T H A M

YEAR ENDING DECEMBER 31st 1940.

FOOD AND DRUGS ACT, 1938

Nature of Article analysed.	No. of Samples	No. of Genuine Samples	Deficient in fat etc.	Remarks
Milk	53	44	9	Informal
do	11	7	4	Formal
Total.	64	51	13	

No. of Sample	Article	Report of Public Analyst		Action taken
K. 59	Milk	Deficient in fat	23.33%	Warning letter sent to Vendor
K. 60	do	do	33.33%	do
K. 65	do	do	10.0%	do
K. 71	do	do	4.0%	do
K. 72	do	do	2.0%	do
K. 73	do	do	4.0%	do
K. 74	do	do	3.33%	do
K. 76	do	do	3.33%	do
K. 79	do	do	10.0%	do
K. 80	do	do	10.0%	do
K.120	do	do	13.33%	do
K.126	do	do	13.33%	do
K.131	do	do	6.66%	do

MILK (SPECIAL DESIGNATIONS) ORDER, 1936.

Grade of Milk	No. of Sample	Formal or Informal	Total No. of organisms growing at 37 C. in 48 hours per c.c.
Pasteurised	GCS (X)	Informal	40000 Bacillus Coli absent in 0.1 ml Phosphatase Test. 2.0 LBU.
Pasteurised	GCS.	do	31000 Bacillus Coli absent in 0.1 ml. Phosphatase Test. 2.2 LBU.
Accredited.	K66.	do	88000 Bacillus Coli present in 0.01 cc. all three tubes. Discolourises Methylene Blue in 2 hours and does not pass test.
Pasteurised.	K67.	do	25600 Bacillus Coli absent in 0.1 cc. Phosphatase Test 2.3 LBU.
do	K68	do	56400 Bacillus Coli absent in 0.1 cc. Phosphatase Test. 16.0 LBU.
Accredited	K69	do	16800 Bacillus Coli absent in 0.01 cc all Three tubes. Methylene Blue Test not decolourised in 5½ hours. Passes test.
do	K70	do	42409 Bacillus Coli present in 0.01cc. do absent in 0.001cc. Unsatisfactory bacterial quality
do	K125	do	105000 Bacillus Coli present in 0.01cc. in all Three tubes Decolourises Methylene Blue in 1 hour instead of 4½ hours. Very unsatisfactory bacterial quality.
Pasteurised	K137.	do	19500 Bacillus Coli absent in 0.1 ml. Phosphatase Test. 2.3 LBU.
do	K139	do	22800 Bacillus Coli present in 0.1 ml. do absent in 0.01 ml. Phosphatase Test. 2.0 LBU. passes test.

MILK (SPECIAL DESIGNATIONS) ORDER, 1936. (CONT.)

Grade of Milk	No. of Sample	Formal or Informal	Total No. of organisms growing at 37 C. in 48 hours per c.c.
Pasteurised	K152	Informal	9800 Bacillus Coli present in 0.01 ml Phosphatase Test. 2.2 LBU passes test.